



**aquatec** INC.

A Member of the Inchoape Environmental Group  
55 SOUTH PARK DRIVE, COLCHESTER, VERMONT 05446  
(802) 655-1203, FAX (802) 655-1248

SEP 18 1992

August 26, 1992

Mr. Rene Bourne  
760 Shelburne Road  
South Burlington, Vermont 05403

Re: Aquatec Project No. 92097  
Initial Site Investigation at Bourne's Service Center

Dear Mr. Bourne:

Enclosed are the analytical results of ground water samples collected from the existing monitoring wells at Bourne's Service Center and of the stockpiled soil located on Cape Cod Road in Stowe, Vermont. Monitoring wells VP-6B and VP-9 were sampled and analyzed for volatile organic compounds by EPA Method 8020. The stockpiled soil was analyzed for organic compounds by EPA Method 8020 and total petroleum hydrocarbons by Method IN670.

Aquatec, Inc. personnel completed the initial site investigation as requested by the State of Vermont Agency of Natural Resources on 31 July 1992. The attached table is a summary of the investigation with a corresponding map of the existing site.

The enclosed results indicate that additional investigations at this site will likely be necessary. Aquatec is prepared to recommend and proceed with these investigations at your request.

Please feel free to call me with any questions or concerns.

Sincerely,

Christopher A. Ouellette  
Project Director

CAO/aks

Enclosures

92097B25AUG92

Bourne's Service Center  
Initial Site Investigation  
31 July 1992

Groundwater Impacts

<u>Monitor Well</u>	<u>DTW(ft.)</u>	<u>DTB(ft.)</u>	<u>pH</u>	<u>Temp(°C)</u>	<u>*Elevation (ft.)</u>	<u>PID(ppm)</u>	<u>Description</u>
1. VP-6B	13.05	15.30	6.56	13.8	99.02	150	Product visible, petroleum odor
2. VP-9	13.47	15.26	6.54	12.3	100.37	780	Petroleum odor

Adjacent Basement Impacts

<u>Location</u>	<u>PID(ppm)</u>	<u>PID Background(ppm)</u>	<u>Description</u>
1. Village Light Department	2	1-2	No petroleum odors
2. Whip Restaurant	.5	.5	No petroleum odors

Stream Impacts

<u>Identification</u>	<u>Location</u>	<u>Description</u>
1. Upstream	150-200 feet upstream of Bourne's property	Sheens/odors not present
2. Downstream	150-200 feet downstream of Bourne's property	Sheens/odors not present

DTW = depth to water

DTB = depth to bottom

PID = photoionization detector

\* = elevation recorded from the top of the casing

92097D25AUG92



CORPORATE OFFICES  
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COLCHESTER, VT 05446

LABORATORY LOCATIONS  
55 SOUTH PARK DRIVE  
COLCHESTER, VT 05446

75 GREEN MOUNTAIN DRIVE  
SOUTH BURLINGTON, VT 05403

150 HERMAN MELVILLE BOULEVARD  
NEW BEDFORD, MA 02740

## ANALYTICAL REPORT

Date: 14 August 1992  
Aquatec Lab No.: 164757  
ETR No.: 32623, Project No.: 92097  
Sample Received On: 31 July 1992, Analyzed On: 06 August 1992  
Sample Identification: Bournes Service Center, water sample labeled  
Trip Blank, 07/31/92 at 0800 hours.

### Aromatic Organic Compounds in ug/L EPA Method 8020

<u>benzene</u>	<u>0.5 U</u>
<u>chlorobenzene</u>	<u>0.5 U</u>
<u>1,2-dichlorobenzene</u>	<u>0.5 U</u>
<u>1,3-dichlorobenzene</u>	<u>0.5 U</u>
<u>1,4-dichlorobenzene</u>	<u>0.5 U</u>
<u>ethylbenzene</u>	<u>0.5 U</u>
<u>toluene</u>	<u>0.5 U</u>
<u>xylene</u> s	<u>1.0 U</u>

Key to the letters used to qualify the analysis:

U - The compound was analyzed for but not detected. The number is the method specified reporting limit for the compound.

J - The result is below the method specified reporting limit.



GREEN MTN.  
INN

BOURNES  
SERVICE  
CENTER



TBM  
100.00 (ASSUMED)

VP-9  
•  
ELEV. 100.37

VILLAGE  
WATER & LIGHT DEPT

VP-6B  
•  
ELEV = 99.02

BIT CONC.  
PARKING LOT

BOURNES SA  
PROJECT # 92097  
SCALE 1" = 10'

RT # 100



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SOUTH BURLINGTON, VT 05403150 HERMAN MELVILLE BOULEVARD  
NEW BEDFORD, MA 02740

## ANALYTICAL REPORT

Bourne's Service Center  
760 Shelburne Road  
S. Burlington, VT 05403Date : 08/21/92  
ETR Number : 32623  
Project No.: 92097  
No. Samples: 4  
Arrived : 07/31/92

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Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
164758 IN670	Bournes Soil Pile:07/31/92 @1300(Soil) Petroleum Hydrocarbons	1150 e

## Comments/Notes

e = mg/Kg as received

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Submitted By :

Aquatec Inc.





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## ANALYTICAL REPORT

Date: 14 August 1992

Aquatec Lab No.: 164758

ETR No.: 32623, Project No.: 92097

Sample Received On: 31 July 1992, Analyzed On: 07 August 1992

Sample Identification: Bournes Service Center, soil sample labeled  
Bournes Soil Pile, 07/31/92 at 1300 hours.

### Aromatic Organic Compounds in ug/Kg as Received EPA Method 8020

<u>benzene</u>	<u>390 U</u>
<u>chlorobenzene</u>	<u>390 U</u>
<u>1,2-dichlorobenzene</u>	<u>390 U</u>
<u>1,3-dichlorobenzene</u>	<u>390 U</u>
<u>1,4-dichlorobenzene</u>	<u>390 U</u>
<u>ethylbenzene</u>	<u>390 U</u>
<u>toluene</u>	<u>390 U</u>
<u>xylene</u> s	<u>22000</u>

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## ANALYTICAL REPORT

Date: 14 August 1992  
Aquatec Lab No.: 164759  
ETR No.: 32623, Project No.: 92097  
Sample Received On: 31 July 1992, Analyzed On: 06 August 1992  
Sample Identification: Bournes Service Center, water sample labeled  
VP-6B, 07/31/92 at 1120 hours.

### Aromatic Organic Compounds in ug/L EPA Method 8020

benzene	100
chlorobenzene	50 U
1,2-dichlorobenzene	50 U
1,3-dichlorobenzene	50 U
1,4-dichlorobenzene	50 U
ethylbenzene	130
toluene	56
xylenes	2000

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## ANALYTICAL REPORT

Date: 14 August 1992  
Aquatec Lab No.: 164760  
ETR No.: 32623, Project No.: 92097  
Sample Received On: 31 July 1992, Analyzed On: 07 August 1992  
Sample Identification: Bournes Service Center, water sample labeled  
VP-9, 07/31/92 at 1130 hours.

### Aromatic Organic Compounds in ug/L EPA Method 8020

<u>benzene</u>	1500
<u>chlorobenzene</u>	25 U
<u>1,2-dichlorobenzene</u>	25 U
<u>1,3-dichlorobenzene</u>	25 U
<u>1,4-dichlorobenzene</u>	25 U
<u>ethylbenzene</u>	200
<u>toluene</u>	200
<u>xylenes</u>	260

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F - 0050

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**'75 Green Mountain Drive**

South Durlington, VT 05403

(002) 650-1074 / FAX: (002) 650-3109

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(September '90)